AMENDMENT TO CLAIMS

In the claims:

1-16 (cancelled)

17. (currently amended) An expandable device for delivery into a blood vessel carrying blood comprising:

an expandable support frame having first and second end portions,

~~an impervious~~ a polymer sleeve having inner and outer surfaces and where the polymer sleeve comprises a polymer that is difficult to obtain endothelial cell growth theron, and a coating having a first layer capable of providing free amine groups, a second linker layer, and a third cell adhesion peptide layer, wherein the linker layer is positioned between and covalently bonded to each of the first and third layers, said coating carried on and attached to at least one of the inner and outer surfaces of the polymer sleeve for enhancing endothelial cell growth on the polymer sleeve.

18. (previously presented) The device of claim 17, wherein said coating is prepared by treating said inner or outer surface with a gaseous plasma cleaning process utilizing radiofrequency energy to ablate said inner or outer surface and to functionalize said inner or outer surface and to produce a plasma-deposited layer having functional groups, and

subjecting said plasma-deposited layer to multifunctional linkers in a wet chemical treatment to form covalent bonds between the linkers/spacers and the functional groups of the plasma-deposited layer to covalently bind the cell-adhesion peptides to said inner or outer surface of the substrate.

19. (previously presented) The device of claim 17, wherein said cell-adhesion peptide has an amino acid sequence presented as SEQ ID NO: 1.